

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.

19808

JUL 03 2006

In Re Application Of: David Andrew Anderson, et al.

U.S. PATENT &amp; TRADEMARK OFFICE

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/578,104	May 3, 2006	Unassigned	23389	Unassigned	Unassigned

Title:

**BINDING ASSAY COMPONENTS**

Address to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

- The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

- The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
  - the statement specified in 37 CFR 1.97(e);

**OR**

- the fee set forth in 37 CFR 1.17(p).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
 (Under 37 CFR 1.97(b) or 1.97(c))

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Title:



**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- A check in the amount of \_\_\_\_\_ is attached.
- The Director is hereby authorized to charge and credit Deposit Account No. 19-1013/SSMP as described below.
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Signature of Person Mailing Correspondence

Xiaochun Zhu

Typed or Printed Name of Person Mailing Certificate

\*This certificate may only be used if paying by deposit account.

Dated: June 29, 2006

Xiaochun Zhu

Registration No. 56,311

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CC:



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicants:** David Andrew Anderson, et al.      **Examiner:** Unassigned  
**Serial No.:** 10/578,104      **Art Unit:** Unassigned  
**Filed:** May 3, 2006      **Docket:** 19808  
**For:** BINDING ASSAY COMPONENTS      **Dated:** June 29, 2006

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Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. §§1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. European Patent Publication No. 1 035 414 A2, published September 13, 2000, together with an English-Language Abstract;
2. Werthén M. et al., "Effect of Antibody Affinity on the Isotherm of Antibody Binding to Surface-Immobilized Antigen", *Journal of Immunological Methods*, 115:71-78 (1988);
3. Moore N.J. et al., "Development of a Panel of Rapid Tests for Viral Respiratory Diseases", *Abstracts of the General Meeting of the American Society for Microbiology*, 103:C-356 (2003);

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: June 29, 2006



Xiaochun Zhu

4. Lea P. et al., "Advantages of Backscatter Electron Imaging Scanning Electron Microscopy for Intracellular Localization of Cardiac Analytes by Gold Conjugated Antibody", *Scanning*, 18:259-268 (1996);
5. Paek S-H. et al., "Development of Rapid One-Step Immunochromatographic Assay", *Methods*, 22(1):53-60 (2000);
6. Haftek M. et al., "Immunogold Labeling of Keratin Filaments in Normal Human Epidermal Cells with Two Anti-Keratin Monoclonal Antibodies", *The Journal of Histochemistry and Cytochemistry*, 34(5):613-618 (1986);
7. Pei R. et al., "Amplification of Antigen-Antibody Interactions Based on Biotin Labeled Protein-Streptavidin Network Complex Using Impedance Spectroscopy", *Biosensors & Bioelectronics*, 16:355-361 (2001);
8. Wu S-J L. et al., "Comparison of Two Rapid Diagnostic Assays for Detection of Immunoglobulin M Antibodies to Dengue Virus", *Clinical and Diagnostic Laboratory Immunology*, 7(1):106-110 (2000);
9. Vaughn D.W. et al., "Evaluation of a Rapid Immunochromatographic Test for Diagnosis of Dengue Virus Infection", *Journal of Clinical Microbiology*, 36(1):234-238 (1998);
10. Bastholm L. et al., "Simultaneous Demonstration of Two Antigens in Ultrathin Cryosections by a Novel Application of an Immunogold Staining Method Using Primary Antibodies from the Same Species", *Histochemistry*, 87(3):229-231 (1987);
11. PCT International Publication No. WO 03/020204 A2, published March 13, 2003;
12. Pieper-Fürst U. et al., "Detection of Subpicomolar Concentrations of Human Matrix Metalloproteinase-2 by an Optical Biosensor", *Analytical Biochemistry*, 332(1):160-167 (2004);
13. Zhou P. et al., "Nanocolloidal Gold-Based Immunoassay for the Detection of the N-Methylcarbamate Pesticide Carbofuran", *Journal of Agricultural and Food Chemistry*, 52(14):4355-4359 (2004);
14. PCT International Publication No. WO 2004/014220 A2, published February 19, 2004;
15. PCT International Publication No. WO 03/105899 A1, published December 24, 2003; and

16. PCT International Publication No. WO 03/093793 A2, published  
November 13, 2003.

The references were cited in a Search Report dated January 6, 2005 received from the Australian Patent Office. Applicants are submitting a copy of the above-cited references. A copy of the Search Report was submitted by Applicants on May 3, 2006. The relevance of the above-identified references has been described in the Search Report.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(b), no statement or fee is required.

Respectfully submitted,



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XZ:dg

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(REV. 7-80) PATENT AND TRADEMARK OFFICE

**LIST OF PRIOR ART  
CITED BY APPLICANT**

(Use several sheets if necessary)



Atty. Docket No. (Optional)

19808

Application Number

10/578,104

Applicant(s)

David Andrew Anderson, et al.

Filing Date

May 3, 2006

Group Art Unit

Unassigned

**FOREIGN PATENT DOCUMENTS**

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	1 035 414 A2	9/13/00	EPO				
	WO 03/020204 A2	3/13/03	PCT			✓	
	WO 2004/014220 A2	2/19/04	PCT			✓	
	WO 03/105899 A1	12/24/03	PCT			✓	
	WO 03/093793 A2	11/13/03	PCT			✓	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	<p>Werthén M. et al., "Effect of Antibody Affinity on the Isotherm of Antibody Binding to Surface-Immobilized Antigen", <i>Journal of Immunological Methods</i>, 115:71-78 (1988)</p>
	<p>Moore N.J. et al., "Development of a Panel of Rapid Tests for Viral Respiratory Diseases", <i>Abstracts of the General Meeting of the American Society for Microbiology</i>, 103:C-356 (2003)</p>
	<p>Lea P. et al., "Advantages of Backscatter Electron Imaging Scanning Electron Microscopy for Intracellular Localization of Cardiac Analytes by Gold Conjugated Antibody", <i>Scanning</i>, 18:259-268 (1996)</p>
	<p>Paek S-H. et al., "Development of Rapid One-Step Immunochromatographic Assay", <i>Methods</i>, 22(1):53-60 (2000)</p>
	<p>Haftek M. et al., "Immunogold Labeling of Keratin Filaments in Normal Human Epidermal Cells with Two Anti-Keratin Monoclonal Antibodies", <i>The Journal of Histochemistry and Cytochemistry</i>, 34(5):613-618 (1986)</p>

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE		Atty. Docket No. (Optional)	Application Number
<b>LIST OF PRIOR ART CITED BY APPLICANT</b>		19808	10/578,104
<i>(Use several sheets if necessary)</i>		Applicant(s) David Andrew Anderson, et al.	
		Filing Date May 3, 2006	Group Art Unit Unassigned
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			
		Pei R. et al., "Amplification of Antigen-Antibody Interactions Based on Biotin Labeled Protein-Streptavidin Network Complex Using Impedance Spectroscopy", <i>Biosensors &amp; Bioelectronics</i> , 16:355-361 (2001)	
		Wu S-J L. et al., "Comparison of Two Rapid Diagnostic Assays for Detection of Immunoglobulin M Antibodies to Dengue Virus", <i>Clinical and Diagnostic Laboratory Immunology</i> , 7(1):106-110 (2000)	
		Vaughn D.W. et al., "Evaluation of a Rapid Immunochromatographic Test for Diagnosis of Dengue Virus Infection", <i>Journal of Clinical Microbiology</i> , 36(1):234-238 (1998)	
		Bastholm L. et al., "Simultaneous Demonstration of Two Antigens in Ultrathin Cryosections by a Novel Application of an Immunogold Staining Method Using Primary Antibodies from the Same Species", <i>Histochemistry</i> , 87(3):229-231 (1987)	
		Pieper-Fürst U. et al., "Detection of Subpicomolar Concentrations of Human Matrix Metalloproteinase-2 by an Optical Biosensor", <i>Analytical Biochemistry</i> , 332(1):160-167 (2004)	
		Zhou P. et al., "Nanocolloidal Gold-Based Immunoassay for the Detection of the N-Methylcarbamate Pesticide Carbofuran", <i>Journal of Agricultural and Food Chemistry</i> , 52(14):4355-4359 (2004)	
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